

75-627

AU 5508 43807

GB 000488504 A  
JUL 1938

a-brick

5-827, 2

488,504 COMPLETE SPECIFICATION

1 SHEET

July 8, 1938,

3/10

FIG. 1

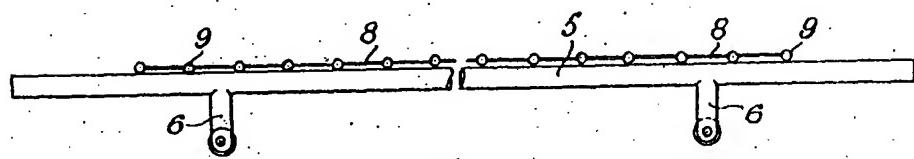


FIG. 2

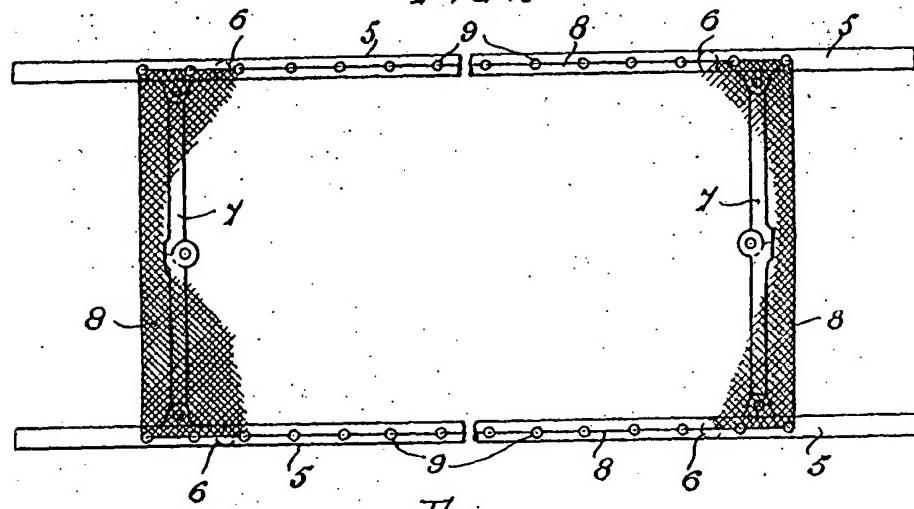


FIG. 3.

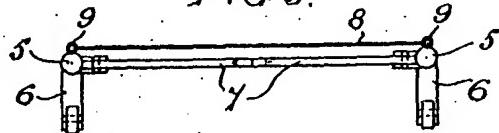
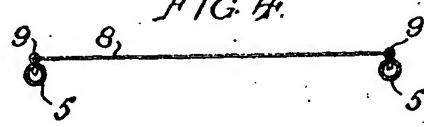


FIG. 4.



5/627

*[This Drawing is a reproduction of the Original on a reduced scale.]*

EXAMINER'S

COPY

DIV 7 8

488.504

5 - 82



# PATENT SPECIFICATION

Application Date: Jan. 14, 1937. No. 1099/37.

Complete Specification Left: Jan. 5, 1938.

Complete Specification Accepted: July 8, 1938.

## PROVISIONAL SPECIFICATION

### Improvements in and relating to Stretchers, Litters and the like

I, NORMAN AINSCOUGH SWARBRICK, a British subject, of 21, Maclure Road, Rochdale, in the County of Lancaster, do hereby declare the nature of this invention 5 to be as follows:—

This invention has reference to stretchers, litters and the like of the kind used for transporting sick or injured persons.

- 10 Stretchers and litters of the kind referred to are commonly made with long wooden sides across which a textile fabric, such as canvas, is mounted, the wooden sides being collapsible toward one another
- 15 to facilitate stowing and moving when not in use, the sides being pulled apart when required for use, and held apart by pivoted cross members of a toggle-joint construction.
- 20 Stretchers, and the stretcher part of litters, made in this way are open to several objections, namely they are heavy, the fabric is easily stained, they are difficult to clean, and
- 25 they are liable to become impregnated by gas. Consequently a stretcher of the known construction which has been in the presence of a toxic or irritant gas will retain the gas in the
- 30 porous material of which it is made and will itself be capable, while in such a contaminated state, of causing injury by the gas carried in it. It is found that a stretcher in this condition cannot be completely sterilised without destroying or at least seriously damaging it.
- 35 The present invention has for its object to provide improvements in stretchers, litters and the like whereby the objections set out above may be overcome.

According to this invention a stretcher, litter or the like is made wholly of steel, the sides being steel tubes upon which is

mounted a bed or hammock made of steel links, or chain mail which will not only 45 form a comfortable support for the patient but will also allow the stretcher or litter to be folded or collapsed.

According to one embodiment of the invention the sides of the stretcher are 50 made of steel tubing closed at the ends, short legs being provided near the ends, the sides having pivoted on them the ends of the toggle-joint extension members by which the sides can be separated or 55 collapsed.

Mounted across the sides is a bed or hammock made of steel links forming a fine chain-mail which is flexible and strong.

This bed or hammock may be attached to the sides in a number of ways such as by being attached to hooks on the sides or by having hook-like members at intervals along its sides which are passed through 65 holes made in the sides from the top downwards and bent up underneath. Such an arrangement, while forming a secure hold, also provides for easy detachment in the event of damage.

A stretcher or litter made in this way is impervious to gas to a much higher degree than those used at present and it can be thoroughly cleaned and sterilised without injury.

If desired the carrying ends of the sides may be provided with rubber handles which can be slipped off after use and destroyed and the ends may also be shaped to give a hold for the hands and fingers, 80 such shaping being done without roughening of the surface.

Dated this 13th day of January, 1937.

For the Applicant,  
BARLOW, GILLETT & PERCIVAL,  
Chartered Patent Agents.

## COMPLETE SPECIFICATION

### Improvements in and relating to Stretchers, Litters and the like

I, NORMAN AINSCOUGH SWARBRICK, a British subject, of 21, Maclure Road, 85 Rochdale, in the County of Lancaster, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and

ascertained in and by the following statement:—

This invention has reference to stretchers, litters and the like of used for transporting sick persons.